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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
	10/808,215	03/24/2004	Christopher Jude Amies	2002P12618US01	3926	
		7590 12/26/2007		EXAM	INER	
Elsa Keller, Legal Administrator Siemens Corporation		ration		LAMPREC	LAMPRECHT, JOEL	
	Intellectual Pro 170 Wood Ave	perty Department		ART UNIT	PAPER NUMBER	
	Iselin, NJ 0883			3737		
				MAIL DATE	DELIVERY MODE	
				12/26/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)					
,		10/808,215	AMIES ET AL.	CT				
	Office Action Summary	Examiner	Art Unit					
		Joel M. Lamprecht	3737					
	The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address					
Period fo	• •	ALCOST TO SYDIDE AMONTH!	C) OD TUBTY (20) D A)	·/C				
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANS and the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION B6(a). In no event, however, may a reply be tin fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communic D (35 U.S.C. § 133).					
Status								
1)	Responsive to communication(s) filed on	- '						
,	,—	action is non-final.						
3)□	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims							
4)⊠	4)⊠ Claim(s) <u>1-31</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
·—	5) Claim(s) is/are allowed.							
•	6)⊠ Claim(s) <u>1-31</u> is/are rejected.							
•	7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.							
0)	are subject to restriction and of	Cicotion requirement.						
Applicati	ion Papers							
,	The specification is objected to by the Examine							
10)⊠	10)⊠ The drawing(s) filed on <u>24 March 2004</u> is/are: a) accepted or b)⊠ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
		= : :		21(d)				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
	under 35 U.S.C. § 119							
•	-	priority under 35 U.S.C. § 119(a))-(d) or (f).					
	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
,	1. Certified copies of the priority documents	s have been received.						
	2. Certified copies of the priority documents	s have been received in Applicati	on No					
	3. Copies of the certified copies of the prior		ed in this National Stage					
	application from the International Bureau		ı					
* \$	See the attached detailed Office action for a list	oi the certified copies not receive	eu.					
Attachmen								
	ce of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D						
3) X Infor	mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date 7/12/01/	5) Notice of Informal F 6) Other:						

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DETAILED ACTION

Claim Objections

1. Claims 1-31 are objected to as containing a number of informalities. Following is a non-exhaustive list of informalities which are contained within the claims: In claim 1, line 9, "monitoring one or more factors" should read "monitoring of one or more factors, and in line 11 "based on said automatic modification of said initial prescription". In claim 12 and claims 13, line 1, "said automatic monitoring". In claim 17 line 6 to line 7, incomplete thoughts seem to be merged. Specifically, "automatically monitoring one or more factors, exclusive of a position of said area of interest, that could affect the effectiveness of said automatically delivering said first does of therapeutic radiation to said area of interest of said patient Based on said diagnosis process" appears to contain two separate statements which are not linked. Examiner has implied that the word "therapy" after "said in line 6 and has examined the claim as such. Additionally, "said automatically calculating" should read "automatic calculation" as it appears to be intended as a noun following the word "said" in line 12. Claim 21, line 3 "automatic calculation of..." Claim 22, line 1 "automatic performance of..." Claims 25-27, line 1 "automatic monitoring..." Finally, in claim 16, line 2 "therapeutic application by" appears to be the intended wording. Appropriate correction is required.

Drawings

2. The drawings are objected to because figure 1 is too dark, making it difficult to read. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate

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prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 4. Claims 1-31 are rejected under 35 U.S.C. 102(e) as being anticipated by Kapatoes et al (US 6,661,870 B2). Kapatoes et al disclose the use of both CT and MRI images in the treatment of an area of interest within a patient and the design of therapy plans before, during, and after rounds of radiation therapy are delivered to the patient (Col 2 Line 18-Col 4 Line 30). Specifically they disclose taking a scout image of the

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area of interest (Col 5 Line 40-57), creating a plan (Col 5 Line 45-62), validating the initial image once a patient is ready for therapy (Col 5 Line 58-Col 6 Line 30), modifying the treatment plan to account for anatomical and positional changes at this point (Col 6 Line 5-50), delivering a dose of therapy and monitoring the dosage and therapy received during the treatment (Col 7 Line 20-50), updating the plan and performing additional treatment as needed based on anatomical and physiological changes of the diseased state of the patient (Col 7 Line 1-30, Col 3 Line 5-45), including the level of radiation received and therefore the stage of treatment at both the tumor site and the surrounding tissues (Col 6 Line 30-50). These physiological and clinical measurements are performed by imaging in an MRI/CT lab and the updating of the plan can include modifications between dosing due to unexpected changes in the tumor site thereby inducing an unscheduled break into the therapy session (Col 2 Line 40-47, Col 3 Line 58-Col 4 Line 17). Updated plans are automatically prescribed and are updated further or verified by the operator or treatment planner (Col 3 Line 5-35, Col 3 Line 58-Col 4 Line 17). The plans include dosage levels, target sites, physiological locations and identifications of tissues of interest which are all capable of being updated before, between, or for future therapy sessions (Col 5 Line 34-Col 7 Line 29).

Conclusion

The prior art made of record and not relied upon is considered pertinent to 5. applicant's disclosure includes Fitchard et al (US 6,385,286 B1) which discloses additional relevant embodiments as pertains to the instant case.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joel M. Lamprecht whose telephone number is (571) 272-3250. The examiner can normally be reached on Monday-Friday 7:30AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian L. Casler can be reached on (571)272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ruth S. Smith/ Ruth S. Smith Primary Examiner Art Unit 3737

JML